

DERWENT ABSTRACT FOR: JP 04-007357 (Asahi), published 10 Jan 1992:

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 ACCESSION NUMBER: 1992-061587 [08] WPINDEX  
 DOC. NO. CPI: C1992-028118  
 TITLE: Resin moulded article with good impact strength etc. -  
 has continuous phase of polyphenylene ether and vinyl  
 aromatic or conjugated diene copolymer coagulated on  
 polyolefin particles.  
 DERWENT CLASS: A18 A25  
 PATENT ASSIGNEE(S): (ASAH) ASAHI CHEM IND CO LTD  
 COUNTRY COUNT: 1  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 04007357	A	19920110	(199208)*		<--
JP 2797015	B2	19980917	(199842)		12

APPLICATION DETAILS:

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Resin moulded article comprises a dispersion system in which (A) continuous phase consists of polyphenylene ether, and (B) discontinuous phase consists of (a) particles in which one copolymer (1) selected from vinyl aromatic cpd. (2)-conjugated diene cpd. (3) copolymer and its hydrogenated prod. coagulated (5) on the surface of polyolefin particles (4) having a short axis of 0.5 microns or less, and (b) particles of the copolymer (1) having a short axis of 0.3 microns or less.

Pref. (2) is styrene, (3) is butadiene and/or isoprene and (4) is polyethylene. Ratio (A):(a):(b) = 50-95:5-15:20-35. (1) is a compatibiliser of (A) and (4).

ADVANTAGE - Good weld strength, high heat resistance, impact strength and chemical resistance, and little cleavage.

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